

Dear readers,

You are about to read the second edition of the Science & Military journal. This issue is published at Christmas time – in the time, when we can stop for a while, look back at all we have done this year and make plans for the upcoming year.

As the editor-in-chief, I am especially glad that the journal is becoming popular with more and more readers and experts from Slovakia and foreign countries. It proves that the quality and attractiveness of the journal is growing.

The Science & Military journal is one of few opportunities that enables regular publishing of original scientific articles focused on basic and applied research in the fields of military science.

And what are the plans of the editorial board for the future? Besides requirements regarding continuous improvement of the journal's quality in terms of its content and specialisation, we have set a demanding goal, which is to increase the journal's impact factor by indexing Science & Military into the SCOPUS database. A very important criterion for including the journal into this citation database is its high quality reviewed and evaluated by international experts as well as the publisher's reputation, diversity of writers and structure of an editorial board. The next criterion is the journal's popularity and availability, e. i. the number of its citations in the SCOPUS database.

Dear readers, let me briefly inform you about the contents of the latest edition, which contains six new and undoubtedly interesting scientific articles, which have been successfully reviewed.

The first among the reviewed articles, which was written by Jozef Perďoch and Zdeněk Matoušek titled **“Actual Trends in ELINT Objects Signal Classification”**, describes the approach to processed signals using information entropy as a parameter for evaluating the quality of information. This article deals with the simulation of sensors dislocation, which is affected by the same measurement error or different error for each individual sensor.

Another article titled **“Internet of Things – Environmental Security Vector”** was written by Martin Obert and Marcel Haračal. The aim of this article is to provide an outlook on current security issues in the field of Internet of Things (IoT). In the first part of the article, authors focused on IoT design and conditions that influence its design on protocol level as we see it today. The second part is focused on different types of attacks analysis in IoT environment. Finally, authors introduced Attack vector in IoT environment and coincident product-life security matrix as static base for further research.

The author Daniel Roman wrote article **“Critical Infrastructure Protection in the Context of the Security Network”**. In this article author has intended to argumentatively support the need for an integrated approach to the security of the identified

“pillar systems” by focusing on critical infrastructure protection and designing, planning and deploying military actions. For the first time, based on integrating the dynamics of the risks and the vulnerabilities of the social systems, author have argumentatively developed the concept of network interaction. By monitoring and analysing the essential descriptive parameters of each security field it is possible to decipher their security states due to the identified network connections, and moreover, anticipate a potential crisis or the possible occurrence of a major negative event.

The following article **“Risk Assessment for Critical Infrastructure in the Conditions of Ukraine”** by Serhii Ivaniuta deals with the character of changes in natural and man-made threats for critical infrastructure in the conditions of Ukraine. Risk assessment for critical infrastructure from emergency situations in Ukraine with regard to the European Union approach is provided.

Among the articles in this issue, you can find the article written by Roman Markovič titled **“The Effects of Two Different Physical Training Programs on Movement Performance of Professional Soldiers”**. The aim of this article is to investigate the influence of two different physical education programs on increasing the movement performance of professional soldiers and their results in the annual physical fitness test.

In 2015, political alteration at a central level took place in Poland. The conservative right-wing party Law and Justice (Polish: PiS) emerged as the winner of the parliamentary elections. A range of changes followed. One of them was establishment of the fifth type of the Armed Forces of the Republic of Poland - the Territorial Defence Forces. This is the main topic of the final article titled **“The Territorial Defence Forces as the Fifth Type of the Armed Forces of the Republic of Poland** (Genesis and Political Background of their Formation as Well as Attitude to them Among Society)” written by Katarzyna Dojwa-Turczynska

Dear readers, on my behalf and on behalf of the editorial board, I would like to wish you all the best for the coming year 2019 and thank you for your interest and quality articles.

Col. (ret.) Prof. Eng. Marcel HARAČAL, PhD.
Chief of the editorial board